

human CD7 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8651b

Specification

human CD7 Antibody - Product Information

Application FC,E
Primary Accession P09564
Reactivity Human
Host Mouse
Clonality monoclonal
Isotype IgG1

human CD7 Antibody - Additional Information

Gene ID 924

Dilution

FC~~1:50

E~~Use at an assay dependent concentration.

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

human CD7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

human CD7 Antibody - Protein Information

Name CD7

Function Transmembrane glycoprotein expressed by T-cells and natural killer (NK) cells and their precursors (PubMed:<u>7506726</u>). Plays a costimulatory role in T-cell activation upon binding to its ligand K12/SECTM1 (PubMed:<u>10652336</u>). In turn, mediates the production of cytokines such as IL-2 (PubMed:<u>1709867</u>). On resting NK-cells, CD7 activation results in a significant induction of interferon-gamma levels (PubMed:<u>7506726</u>).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Expressed on T-cells and natural killer (NK) cells and their precursors.

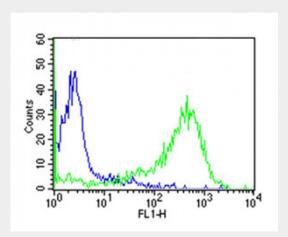


human CD7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

human CD7 Antibody - Images



Overlay histogram showing huuman peripheral blood lymphocytes stained with CD7 antibody(green line). The cells were icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:50 dilution) for 60min at 37° C. The secondary antibody used was Goat Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OJ192088) at 1/200 dilution for 40min at 37° C. Isotype control antibody (blue line) was mouse IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.